



EDUCATION

Annual Report

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Nova Scotia

EDUCATION

Annual Report

FOR THE YEAR ENDING JULY 31, 1982

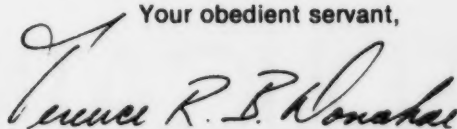
THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the school year ended July 31, 1982.

I have the honour to be

Your obedient servant,

A handwritten signature in cursive script, reading "Terence R. B. Donahoe".

TERENCE R. B. DONAHOE
Minister of Education

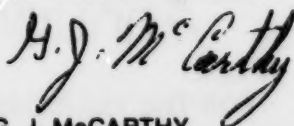
HONOURABLE TERENCE R. B. DONAHOE
Minister of Education

Sir:

I have the honour to submit the annual report of the Department of Education for the school year ended July 31, 1982.

I have the honour to be

Your obedient servant,

A handwritten signature in cursive script, reading "G. J. McCarthy".

G. J. MCCARTHY
Deputy Minister of Education

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INTRODUCTION

The year 1981-82 was one of the most significant in the history of education in Nova Scotia. Following acceptance by the Government of the majority of the recommendations of the Commission on Public Education Finance, a major re-organization of school boards took place. The old boards, many of them too small to offer a full range of educational services, are being replaced by a system of 21 district school boards, with only one municipal unit — the Town of Hantsport — choosing to remain outside a district arrangement.

Along with the re-organization of boards has come the implementation of a major reform in education financing. The foundation program system of funding had served the province well, but after more than 25 years of adjustments made in various attempts to come closer to the goal of equality of educational opportunity, limit the burden on the property taxpayer, and control provincial expenditures, the system had become extremely difficult to manage, and was characterized by a need for frequent ad hoc decision making.

The new system of education finance is based on a series of relatively straightforward funding formulas which will help to ensure that all district boards receive equitable shares of available provincial resources. The system also gives the boards increased control over their expenditures and will encourage sound management of resources. To ensure that the funding formulas continue to reflect current conditions, a Formula Review Committee has been established with representatives from the Nova Scotia School Boards Association, the Nova Scotia Teachers Union, the Union of Nova Scotia Municipalities, and the Departments of Education and Municipal Affairs. Each year, the Committee will review the funding formulas and make recommendations for any changes it considers necessary.

With the establishment of the district board arrangements and the new funding system, the Department of Education is confident that the boards and the province are now in a much better position to meet the challenge of providing the high quality educational services expected by the people of Nova Scotia.



1. DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

The major administrative program areas of the Department of Education are Public School Operations, Education Programs, and the Finance and Budgeting Program.

PUBLIC SCHOOL OPERATIONS

Public School Operations includes the following divisions: Curriculum Development, Vocational Education, Inspection Services, and School Planning and Conveyance.

The Curriculum Development Program, which is responsible for elementary and secondary education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs and has consultants in a variety of subject areas.

The Vocational Education Program provides general supervision of secondary vocational education and operates 11 of the 14 regional vocational schools in the province. (The remaining three are operated by district school boards.)

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as interpreters of departmental policy and procedures.

The School Planning and Conveyance section monitors and provides advice on school construction and on the safe and efficient operation of pupil conveyance systems.

EDUCATION PROGRAMS

The Education Programs area includes: Adult Education, Education Resource Services, Ethnic Services, the Nova Scotia Teachers College, Publication and Reference, and Teacher Certification.

The Adult Education Program assists in developing and co-ordinating all aspects of adult education in the province through (a) assistance to continuing education in adult education classes, along with community development and other adult education services, (b) adult vocational education, involving development and operation of manpower training, and (c) applied

arts and technology education, involving operation of three technical institutes.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts related to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, and various audio-visual productions, including educational television programming. The Provincial Library co-ordinates the regional library service of the province and the union catalogue of library holdings in Nova Scotia and provides assistance to schools through a Co-ordinator of School Libraries.

Ethnic Services provides information and advice to other departmental divisions and to local school systems on the development of programs designed to increase knowledge and appreciation of the contributions of all ethnic groups and of the multicultural nature of our society.

The Nova Scotia Teachers College provides a three-year teacher education program and also offers a variety of courses for teachers interested in furthering their professional education.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the department, answers inquiries from the public and the news media, and helps to arrange publicity for departmental events.

The Teacher Certification section supervises and maintains records on the registration and certification of teachers.

FINANCE AND BUDGETING

The Finance and Budgeting area includes the divisions of Financial Management, Teachers' Pensions, Public Education Grants, and Research, and a Post-Secondary Education section.

The Financial Management division controls the internal financial operations of the department, operates a bureau which supplies school boards with textbooks and other learning materials, and maintains departmental personnel records.

The Teachers' Pensions section administers the provisions of the Teachers' Pension Act and Regulations.

Through its staff in the central office in Halifax and accounting and control officers based in the various regions of the province, the Public Education Grants division co-ordinates the provision of education grants to school boards.

The Research division calculates grants to school boards in accordance with funding formulas, carries out educational research, and maintains educational statistics.

The Post-Secondary Education section includes a Financial Analyst and a Student Aid Office which administers the Canada Student Loan and Nova Scotia Student Bursary programs. The Financial Analyst also liaises with the Maritime Provinces Higher Education Commission on financial matters.

2. PUBLIC SCHOOL OPERATIONS

CURRICULUM DEVELOPMENT

Program Development

A major emphasis in curriculum development in Nova Scotia during 1981-82 was revision of the high school mathematics courses. An integrated approach to the teaching of algebra and geometry is being implemented, with the addition of some new units. The grade 9 and 10 courses are ready for trial use in September of this year and the grade 11 and 12 courses are being studied by task forces. In-service training for teachers is planned to prepare for the introduction of the new courses in the fall.

Guidelines for two new courses, computer literacy and computer science, are being developed and the courses have been authorized for use as credit courses in September, 1982. A task force is examining selected uses of computers in junior high school mathematics and possibilities for use in other areas at the elementary school level.

Business education courses are under revision. The use of word processors as an office technique is being examined and courses in data processing and the possible use of microcomputers for this purpose are under review. The use of stenospeed has been approved for use in schools which have piloted the program.

A French language arts program for grades 7 to 9 and a music program for grades 4 to 6 for students whose first language is French are being developed.

Work is proceeding on a French adaptation of the English economics guide and similar work is being done on physical education P to 6, drama P to 6, political science, science grades 7 and 8, drama 10 to 12, and "Checkpoint Strategies in Mathematics" for grades P to 6. Guidelines are being prepared for early immersion programs and for the three-year German program in grades 10 to 12.

In other subject areas, a Canadian literature guide is in its final editing stage, oceanography, chemistry, physics, and home economics guides are being updated and revised, a guide entitled *The Trainable Mentally Handicapped* is being prepared, a document on learning disabilities has been distributed, and a textbook for grade 6 social studies entitled *Nova Scotia and Atlantic Canada* has been published.

Curriculum Development staff carried out 150 in-service sessions in locations throughout the province during the school year.

Special Education

The work of assisting school board administrators and school inspectors with examination of the implications of the new guidelines on funding for special education occupied much of the time of the Assistant Director, Special Education. A comprehensive kit for administrators was produced.

Language Education

Acadian Section

In 1981, the Legislative Assembly passed an amendment to the Education Act giving official recognition to the establishment of Acadian schools. A Ministerial Advisory Committee was then constituted to make recommendations on policies and regulations concerning the operation of Acadian schools.

The following teaching guides were completed and distributed to Acadian schools: *Le français à l'élémentaire*, (p6) (a complete revision of the existing program); *Etudes du Canada; Arts plastiques*, (P-3 et 4-6); *Sciences familiales* (9-12). A supplement to the social studies for grade 6 was also published and, for the first time, *Careers Ahead*, the guidance booklet for students entering high school was translated under the title *Vers une carrière*.

Bursaries for the Study of French

The department administers several bursary programs funded by the Federal Department of the Secretary of State:

(1) a summer language bursary program (immersion courses) under which 470 bursaries were awarded to Nova Scotia post-secondary students, for a total value of \$540,500;

(2) a minority or second-language teacher bursary program under which bursaries of varying amounts were awarded to 97 teachers of French either as a minority language or as a second language, for a total value of \$90,263;

(3) fellowships, entrance and travelling bursaries. The three bursary programs are designed to provide students with an op-

portunity for immersion in the milieu of their second language or to encourage official minority-language students to pursue post-secondary studies in their own language. Bursaries were awarded to 90 students, for a total value of \$97,332.

VOCATIONAL EDUCATION

There are 14 vocational schools, 11 operated by the Minister of Education and 3 by district school boards (formerly amalgamated school boards).

New vocational programs implemented in September, 1981 were:

Marine Fitter	Data Processing
Marine Electronics	Gasfitter
High Pressure Welding	Stockroom Clerk
Home Health Aide	Specialized Diesel Repair
Millwright	Farm Mechanic

The Vocational Teachers Summer School was moved from Halifax to the Nova Scotia Teachers College in Truro and had an enrolment of 60 secondary vocational teachers. The Department of Education provided funds for updating training of over 125 vocational teachers during the year. Industry played a major role in the updating.

Meetings were held with school principals as well as the guidance personnel in order to discuss policies and procedures with respect to vocational education as well as to provide a forum for planning.

Other developments included the implementation of closer co-ordination with the Department of Labour and Manpower, a concentrated effort to make more information available on the opportunities for training for females in non-traditional trades; and completion of the expansion of the classroom and library facilities at the Cumberland Regional Vocational School.

INSPECTION SERVICES

The eleven divisional inspectors of schools and two assistant inspectors played a very significant role in counselling and assisting municipal units in organizing district school boards. The implementation of recommendations contained in the Report of the Commission on Public Education Finance resulted in the formation of 21 district school boards in the province, with

one board of school commissioners, the town of Hantsport, remaining from the former system. Although the number of school boards decreased significantly with the formation of district boards, the workload of the inspectors increased because of the assistance required by board members and their staffs in consolidating the enlarged jurisdictions and in working out policies and procedures. The inspectors assisted boards on all matters relating to formula funding and the verification of data for funding purposes.

In addition to advising and assisting the new district boards, the inspectors counselled and assisted the local supervisory staffs in co-ordinating plans for supervisors, in-service training, evaluation procedures and all other programs for which the province and local boards have a joint responsibility.

Inspection Services staff, in co-operation with other divisions of the department, provided advice and assistance to school boards in the administration and interpretation of the provincial testing programs; that is, the Nova Scotia Standards Project and the Nova Scotia Tests of High School Achievement. Numerous, highly successful in-service sessions on the tests were held across the province.

School System Surveys

The following school system surveys were either completed or in progress during the year: Richmond School System, Digby School System, Annapolis Municipality School System, Middleton Regional Elementary School System, and Digby School System.

SCHOOL PLANNING AND CONVEYANCE

School Construction

Sixteen construction projects were completed. Three projects were new buildings and 13 were additions to existing buildings. The new buildings consisted of one new school and two new school bus garages. The new school contains 13 classrooms and two specialist areas, while the new school bus garages provide 11 new bays. The 13 additions to existing school buildings contain 60 new classrooms and 35 specialist areas. The total number of new classrooms was 73.

	No. of Projects
Elementary	10
Junior High	2
Senior High	2
Other (School Bus Garages)	2
	16

Pupil Transportation

The Pupil Transportation section was involved in a study for the purpose of developing a revised financial funding formula for pupil transportation. Staff was also involved in conducting comprehensive conveyance system studies for school boards in an effort to streamline school conveyance operations, improve service, and reduce pupil transportation costs.

In-service sessions for school bus drivers increased in number, reflecting the emphasis school boards are placing on school bus safety within their systems. The pupil transportation section participated in all these in-service programs and assisted school boards in developing safety programs.

The Twelfth Annual Pupil Transportation Conference was held in Dartmouth, with delegates attending from school boards, education departments throughout the Atlantic Provinces, representatives from bus body builders throughout the Atlantic Provinces, and special guests from the United States. The Dr. H. M. Nason Achievement Award was presented to the Kings County District School Board for the year 1981, and the Second Place Award was presented to the District of St. Mary's, with the awards being made by the Department of Education, the Board of Commissioners of Public Utilities, and the Department of Transportation.

The introduction of School Bus Safety Week resulted in the Advisory Committee on School Bus Safety focusing increased attention on promoting various safety programs.

3. EDUCATION PROGRAMS

ADULT EDUCATION

The Adult Education Program provides a wide range of services to Nova Scotians. In applied arts and technology, certificate and diploma programs are provided at the Nova Scotia Nautical Institute, the Nova Scotia Land Survey Institute and the Nova Scotia Institute of Technology, which also provides training in the apprenticeable trades. Vocational training programs for adults are offered through two adult vocational training centres in Dartmouth and in Sydney as well as in approximately 20 smaller centres throughout the province. The Department co-operates with school boards and with voluntary groups in providing continuing education services through classes, community schools, and seminars. Correspondence study courses are provided in academic and vocational subjects, and a program of special assistance in counselling, training, and education is provided for disabled persons. Curriculum development services are provided to various institutions and centres, with occasional assistance being given to private industry. Private trade schools are registered and monitored.

The above programs and services continued to be made available to Nova Scotians during 1981-82 with some shift in emphasis toward trades and technology training designed to prepare people for employment in the resource sector and, in particular, in offshore exploration and development.

Trades and Technology Education

The Nova Scotia Institute of Technology, Nova Scotia Nautical Institute, and Nova Scotia Land Survey Institute continued to offer post-secondary programs to Nova Scotians. Programs were offered at both the certificate (10-month post-secondary) and diploma (20-month post-secondary or 48 continuous weeks) levels to meet the needs of the province for paraprofessionals in engineering technology, medical and dental technologies, surveying and mapping technologies, and various levels in the marine transportation fields. A scientific computer programming course was offered in a 48-week diploma level format for the first time this year.

Apprenticeship programs to meet increasingly complex trades requirements were offered in response to the expressed

needs of the Apprenticeship Branch of the Department of Labour and Manpower. A number of programs accommodated clients of the Canada Employment and Immigration Commission in the trades, technology, and skill development areas.

Adult Vocational Education

The two training centres and twenty modules located throughout Nova Scotia offered programs approved by the Joint Federal/Provincial Labour Market Needs Committee, for students referred for training by the Employment and Immigration Commission under the terms of the Adult Occupational Training Act. Programs included academic upgrading, occupational, and job re-entry courses.

The overall enrolment in these courses, totalling 11,698, represents a 1.2 per cent increase over 1980-81 enrolments (11,562). Final enrolments increased by 153 (1.8%).

During the year a concurrent/generic program was developed to streamline academic upgrading for selected students. During 1982-83, a portion of the Basic Training for Skill Development program will be converted to concurrent/generic. The Job Readiness Program was also revamped and will be introduced in its revised format in September 1982. Several low-demand occupational courses were terminated in accordance with the federal government's intention to focus funding on higher skill training.

Further training for federally referred students was arranged at the Université Sainte Anne, 10 private schools, and by contract with industry.

Training was also offered to inmates in the Springhill Medium Security Institution under the terms of a contract between the Solicitor General's Department and the Province of Nova Scotia. Courses include academic upgrading, life skills, occupational exploratory training and nine occupational courses. These courses are offered within the confines of the penitentiary and are administered by staff of the Dartmouth/Mainland Adult Vocational Training Centre.

Program Services

Program Services is responsible for planning, organizing, coordinating and formulating policies and procedures with respect to technical and vocational learning resource material develop-

ment. It is also responsible for staff training and administration of private trade schools and general regulations under the Act.

Program Services activities were directed to the development of two vocational courses, continuation of modular development for the Apprenticeship Division of the Department of Labour and Manpower in four trades, and the operation of an expanded project in concurrent/generic training. Experimental concurrent/generic projects were operated in both the Cape Breton Adult Vocational Training Centre and the Dartmouth Vocational Training Centre and its South Armdale Module. As a result of the experimental project, adjustments were made to the curriculum.

There were 28 private trade schools registered in the Province of Nova Scotia in 1981-82 and the Supervisor of Private Trade Schools made at least two monitoring visits to each school.

Continuing Education — Field Services

Through its Continuing Education Program, the department assisted 51 school boards in providing educational services to 30,594 adults enrolled in classes of academic upgrading, vocational education, health and physical education, homemaking and family life, and personal development. School boards engaged 83 administrators of whom 5 were employed full-time. There was an increase in total enrolment of 4,143 with respect to 1980-81. In addition, the Department of Education co-operated with the Department of the Secretary of State and school boards in organizing 91 second language classes with a total enrolment of 1,266.

Interest in community schools has continued with grant assistance and consultation from the department: 59 community schools were in operation with approximately 35,834 persons enrolled during the year.

In addition to providing grants to school boards offering literacy education programs, the department assisted with 15 workshops for the training of volunteer reading aides. One hundred and eight-nine persons received training under the program and over 401 persons received literacy tutoring. In addition, literacy materials were provided to literacy councils organizing their own training programs.

Regional staff provided consultative services to 51 school boards; made available counselling and advisory services to

3,023 persons visiting regional offices and to 13,527 persons by telephone; provided educational services to 107 regional and provincial organizations; provided consultation and administered funding to 86 community education projects, not including community schools, with an enrolment of over 10,000; arranged for General Educational Development Tests for 3,307 persons; assisted with the organization of 53 regional and provincial conferences; and organized 53 supervisory and business management courses with 805 persons enrolled. Increased support has been provided to senior citizens through the medium of pre-retirement seminars and consultative services to senior citizens groups.

Disabled Persons Training

This program assists Nova Scotians (over age 16) with a physical or mental disability and gives them an opportunity to develop their maximum potential through training that will enable them to obtain gainful employment that will suitably match their capabilities and interests.

During the past year, 278 rehabilitants were considered for vocational training and 214 clients entered various types of training.

Correspondence Study and Extension Services

Correspondence study courses are provided through the Extension Services section at the Nova Scotia Institute of Technology. There were 262 senior high school course examinations written by correspondence students, 211 successfully. During the year, there were 2310 additional registrations and 412 course completions in public school correspondence courses. In technical courses, there were 510 additional registrations and 89 course completions.

The following courses were revised: History 421, Mathematics 421, and Mathematics 431. Accounting 341 was added.

During 1981-82, Extension Services offered 32 evening courses to the public. The response was excellent, with 1144 students enrolled in a total of 79 classes. Classes were held in co-operation with the Nova Scotia Nautical Institute, Halifax Amateur Radio Club, Nova Scotia Safety Council, Nova Scotia Police Commission, the Armed Forces and the Canadian Society

of Laboratory Technicians, Nova Scotia Branch.

TEACHER CERTIFICATION

Some 1,083 experienced teachers received higher certificates on the completion of further study.

Regular certificates, special certificates, and permits were issued as follows:

Teachers' Certificates, Class 8	633
Class 7	179
Class 6	609
Class 5	1,382
Class 4	542
Class 3	66
Class 2	21
Class 1	2
Under Regulation 77A & B	23
Vocational Teachers' Certificates	61
Teaching Permits	5
Vocational Teaching Permits	58
TOTAL	2,981

NOVA SCOTIA TEACHERS COLLEGE

In the spring of 1982, the first university convocations were held at which B.Ed. degrees jointly awarded by the Nova Scotia Teachers College and co-operating universities were granted. These convocations were held at Saint Francis Xavier, Mount Saint Vincent, Saint Mary's, and Acadia universities and 35 students, ranging from 5 at Saint Mary's to 14 at Acadia, received their B.Ed. degrees. Approximately a third of the previous year's graduates went on for the degree year, most of the others obtaining teaching or substitute teaching positions or jobs in areas of human service related to teaching. The universities, through their liaison officers, showed a willingness to negotiate improvements in admitting Teachers College students and providing them with an appropriate program. In most cases, the students were successful in the courses they took at university.

A review of the Teachers College Program, begun in 1981, continued during the year. As what appear to be beneficial changes come to the forefront, they are incorporated into the

planning immediately, so that, excepting the total restructuring of program, short term improvements can be effected where they are seen to be necessary. The task force examining the literature for effective teacher characteristics has listed 346. The next job is to classify these into a workable model to use in assessing the teacher training program.

In the area of continuing education and in-service offerings, a professional development committee was formed at the College and a booklet listing possible in-service topics and advice for developing effective in-service programs was issued to schools. The Nova Scotia Summer School programs were offered under the direction of the Teachers College Continuing Education Department during summer, 1982 for the first time. These programs were the Educational Leadership Block and the Vocational Education Block. In addition, a week-long course for seniors — Elderhostel — was held on campus.

During this, the second year of the Micmac Teacher Education Program, numbers decreased from 26 to 20 as some students did not pass GED exams which, for those without grade 12 completion, are a requirement for continuing in the program. The students who continued have experienced notable success in terms of social and educational development.

In general, applications to the College this year outnumbered allowable admissions by three to one. This enabled the College to be more selective in admitting students. Total admissions were restricted to 120 this year. Total enrolment as of December 1, 1981 was 358 and just over 100 students graduated.

The number of full-time teaching positions available in this region is small, but more opportunities appeared to exist in western and northern Canada and overseas. A workshop in substitute teaching proved very popular with graduating students, as the experience of former graduates has shown that substituting for a year or two often leads to a full-time teaching position.

EDUCATION RESOURCE SERVICES

Nova Scotia Museum

With the opening of the Maritime Museum of the Atlantic in January 1982, the closing of the Cavalier Block on Citadel Hill, and the inclusion of the Meeting House in Barrington as a branch, the Nova Scotia Museum complex consisted of 21

museums across the province in 1981-82. Attendance for the year exceeded 500,000 visitors. In addition to the regular museological functions of collection, preservation, research and communication, the following activities were highlights of the year.

In moving from the Citadel, Museum staff inventoried, photographed and described the collections before moving them to Summer Street, Uniacke storage, and the new Maritime Museum of the Atlantic. The opening of the Maritime Museum, after years of preparation, included the berthing of the CSS *Acadia* at the Museum wharf. Part of the main museum's library research resource was moved to the Maritime Museum and one union catalogue was established for both locations.

The museum collections were enlarged by donation and purchase. An outstanding donation was the W. Johnston collection of Nova Scotia glass. Other important acquisitions included a set of chairs by G. Gammon, several pieces of miniature furniture, a collection of 21 volumes of 19th century Lloyd's Shipping Registers, the Bluenose Sloop Vagabond-Sail No. 1, marine specimens from current off-shore resource programs, and major donations of sea shells and wood specimens.

Renovation of the Nova Scotia Museum (Summer Street) exhibits continued, particularly of the whales and sharks, and passenger pigeon displays. All labels describing exhibits at the Maritime Museum, and renovated exhibits on Summer Street, were translated into French. Over the year, 36 temporary and travelling exhibits from 20 sources were co-ordinated for showings in 19 different centres; four of these were out-of-province.

Although the Curator of School Classes position was vacant for part of 1981, formal school classes at the Museum and planetarium continued at approximately 70 per cent of the 1980-81 levels. The number of self-tours by schools was similar to previous levels, with 9,000 students visiting. The demand for trained museum volunteers to conduct programs for visiting school classes continued to exceed the supply.

The number of school loan units available across the province increased by 22 per cent, including one new title, "Forestry", which was a joint production with the Department of Lands and Forests. A new distribution centre at Middleton, plus doubled service to Sydney brought the number of depots for museum loans to 14. A substantial increase in units borrowed by schools outside the Halifax-Dartmouth area (up 55 per cent from 1980-81) probably reflected both intensive in-service efforts and

the comprehensive *Learning Resources Catalogue* distributed through the Department's *Education Nova Scotia* bulletin to all teachers.

Public programming on Summer Street largely complemented special exhibitions; saltmarshes, multiculturalism and scouting were major themes.

Among developments at the branches outside the Halifax area were the following. A hydrant system was installed for the protection of Ross Farm Museum, and research was carried out in preparation for providing period costumes for Ross Farm staff. A new dining room was established at the Fisheries Museum of the Atlantic, improvements to the building complex continued and the fishing schooner, *Theresa E. Connor* received extensive restoration. Restoration continued on Greenwood Cottage in Sherbrooke Village and a new parking lot was established.

Services to local museums included special funding for the renovation and improvement of the Colchester County Museum in Truro. The Annapolis Valley Macdonald Museum opened in the former consolidated school in Middleton with the installation of the Nova Scotia Museum's clock collection as its main permanent exhibit, and a greenhouse containing live natural history exhibits. The Old King's Courthouse Heritage Museum opened in Kentville, and the Cape Breton Miners' Museum at Glace Bay reopened in a new building which replaced the structure destroyed by fire. Advice and assistance were given on the layout and content of the Annapolis Royal Historic Garden, and various local museum exhibits.

In Shelburne, work continued on the structural restoration of the Williams' Dory Shop. Assistance was given to the Nova Scotia Department of Lands and Forests on the Five Islands Provincial Park, Eastern Shore Parks system, and the Natural History Theme Region's project.

The Nova Scotia Museum carried out an active publishing program. This included two issues of *The Occasional*, two English and two French *Info's*, and reports on *Rare and Endangered Plants and Animals in Nova Scotia*. *Micmac Quillwork* was published and received the Canadian Museums Association Award of Merit. An Award of Merit was also received from the Amercian Association of State and Local History for last year's exhibit and publication, *Elitekey. The Geological Background and Physiography of Nova Scotia* was co-published with the Nova Scotia Institute of Science.

Education Media Services

A major feature of the operation of Education Media Services during the past year has been the increasing co-operation with the other two Maritime provinces in the acquisition and production of new media resources. The provinces have collectively purchased the rights to a videotape series for high schools on careers. Nova Scotia has been playing a major role in co-operative Maritime productions and among the projects Media Services is currently involved in are a videotape series on the Acadians which is being co-produced with the CBC; filmstrip series on primary industries and energy; and a radio series on interpreting historic photographs. During the year, a three-part filmstrip series on careers was completed and distributed to all junior high schools in the Maritimes.

Media Services also worked with CBC in the co-production of a five-part television series on Canadian literature for upper elementary grades and began work on filmstrips on special education and the provincial court system.

The Education Media Services video production unit continues to devote much of its time to the provision of materials for use in adult education. During the year, a number of new productions were undertaken, including resource materials for dentistry, medical technology, computers, land surveying, and mathematics.

The media library continues to receive very heavy demands for resources. Last year 63,906 film orders were filled for an average of 106 films per school. In addition, the library was able to provide 4800 videotape programs, while the tapes and films which were broadcast over the CBC were viewed by approximately 50,000 students.

The media repair service, which is responsible for the repair of all audio-visual equipment with the exception of videoplayers, worked on some 2000 units.

The photographic and design/print services section, in addition to playing an essential role in the filmstrip and video productions, continued to meet the needs of Provincial Museums and Libraries.

Provincial Library

By the end of 1981, negotiations with the National Library of Canada had resulted in an agreement for the Nova Scotia Provin-

cial Library to have on-line access to the Canadian Union Catalogue via DOBIS. DOBIS (the Dortmunder Bibliothekssystem) is an integrated library management system which was acquired by the National Library in 1976.

In response to a request from the Association of Atlantic University Librarians' Committee, Provincial Library staff explained the DOBIS project at the February 9, 1982 meeting of AAULC: how the DOBIS and UTLAS (University of Toronto Library Automation System) databases will be used for the Nova Scotia location service; entry of Nova Scotia libraries' holdings into the Canadian Union Catalogue via DOBIS; and interlibrary loan implications for the Province's university libraries.

In November, the first year students enrolled in the Master in Library Service program at Dalhousie University paid their annual orientation visit to the Provincial Library and saw a demonstration of how the UTLAS system is used for the cataloguing and classification of regional library materials.

At their request, 14 school librarians from Kings County came to the Provincial Library on January 25, 1982 for a question and answer session on interlibrary loan procedures.

Public Library Services

New branch libraries were opened during the year in Barrington Passage, Weymouth and Petit de Grat. Two bookmobiles were removed from service in the Eastern Counties and Western Counties regions. The year also saw the move of the Halifax County Regional Library Headquarters from the Municipal Building on Dutch Village Road to Leaside Drive in Lower Sackville, adjacent to the Sackville Branch.

A committee of the Library Council worked on developing a new funding formula for public libraries and presented its report to the Chairman of the Library Council.

The Co-ordinator of Public Library Services was appointed as the Atlantic representative to the Advisory Group on National Library Services to the Handicapped.

Reference Services Section

The Reference Services Section serves the information, bibliographic and interlibrary loan needs of all types of libraries in the province. An information retrieval service (manual and computerized) is available to regional public and provincial

government libraries and an interlibrary loan location and switching service is provided to all libraries in the province. This year saw several significant developments in each of these services.

A pilot project under the sponsorship of the Public Legal Education Committee of the Continuing Legal Education Society resulted in the installation of a toll-free line. Client libraries could call to obtain help with legal reference questions. Reference staff, aided by legal experts in the library field, answered a wide variety of law-related questions.

A Reference Services Advisory Committee was formed, with representatives from each type of library served. Meetings were held to obtain input on which reference services were most valuable, and to discuss ideas for new services.

In July 1982, regional public libraries began making interlibrary loans directly among themselves. This was made possible by the introduction and growth of COMCAT, the microfiche catalogue of regional libraries holdings catalogued through UTLAS.

The availability of UTLAS in the Technical Services Section enabled the Reference Section to offer a much more comprehensive location service. Every request not found in the manual catalogues is now searched on REFCATSS, the cheaper subset of UTLAS.

The contract with the National Library of Canada to provide Provincial Library access to DOBIS represented the first extension of the system outside the federal government. Using DOBIS, accessions to the Nova Scotia Union Catalogue are entered directly into the National Union Catalogue database. It is also possible to search this catalogue directly rather than having the National Library do it. This enables Reference to offer a faster and more complete location and interlibrary loan service than ever before, and represents the strengthening of the national and regional resource-sharing network.

School Libraries Section

The high point of the year was the presentation to the Minister of Education of the *Report of the Minister's Task Force on School Libraries*. Arrangements for printing of the report and distribution of copies within Nova Scotia and to interested persons outside the province were made by the Co-ordinator of School Libraries. Follow-up meetings with Department of Education personnel, school administrators, teachers and library personnel, parent-

teacher groups, and staff and students of the School of Library Service were held by the Co-ordinator and members of the Task Force, and articles were written for several library and education publications.

Dispersal of the Teachers' Library collection continued, with materials being transferred to libraries at the Nova Scotia Teachers College, Department of Culture, Recreation and Fitness, faculties of education at various Nova Scotia universities, school libraries, and district teachers' centres.

The Co-ordinator assisted with school library development and organization by holding planning meetings and work sessions at Gold River-Western Shore Consolidated, Guysborough Municipal High School, Antigonish Regional High School, Timberlea Elementary, Salt Springs Elementary, Enfield District School, New Ross Consolidated, Westville High, Yarmouth Memorial High and several Yarmouth elementary schools, Maple Grove Education Centre, Barrington Municipal High, Saulnierville Consolidated, Ste Anne du Ruisseau, Hants North Rural High, and with a group of administrators and school library personnel from the Clare-Argyle District. At the request of the Windsor Regional High School, the Co-ordinator submitted an evaluation of the library program in that school to assist in future development.

Materials on school library planning and organization were provided for committee work and in-service sessions at Westville, Kennetcook Elementary, North Queens, Islands Consolidated, and North East Margaree.

The Co-ordinator worked with the School Planning section of the department to develop standards for school library facilities in Nova Scotia, was a member of department survey teams for the districts of Richmond and Digby, and provided information for the Minister's Advisory Committee on Canadian Regional Publishing.

Technical Services

Technical Services continued to provide a centralized cataloguing and processing service to 10 regional public libraries. A total of 51,083 volumes were processed, a modest increase of 3.5 per cent over the 1980-81 total; however, 12,529 new titles were catalogued, a 12 per cent increase.

In May, 1982 the first issue of COMCAT, a computer-produced microfiche catalogue of regional library holdings was

published. This catalogue gives subject, title and author access to library materials acquired by the 10 libraries since November, 1980. Seventy copies of the catalogue were distributed throughout the province's regional library system. A new, complete catalogue is produced and distributed bi-monthly.

Statistical Summary

Libraries served:	Provincial Library and 10 regional public libraries
New titles catalogued:	12,529
Repeat titles:	10,422
Total titles:	22,951
Volumes processed:	51,083

ETHNIC SERVICES

The Ethnic Services Section continued its co-operation with the varied ethnic groups, community organizations, educational institutions and other provincial and federal government departments and agencies in addressing urgent and pressing needs, priorities and expectations of the diverse communities in our province.

During the past year, the following undertakings have been perhaps the most significant: the commencement of a dramatic portrayal commemorating the settlement of the Black Loyalists in Nova Scotia as part of our history; collaboration in the production of a pictorial and poster series which depicts positive Black role models to be used as new learning materials to improve the sense of identity and self-image of Black learners in schools; assisting in the planning of, and making several presentations at, the first National Conference on Multicultural Education in Winnipeg, Manitoba; facilitating the production of secondary school level ethnic studies materials by external researchers; assisting in the formation of a provincial council on multicultural education; helping in the formation of a national council on multicultural education; and improving departmental screening of existing and new learning materials for racial and sexual bias.

Ethnic Services staff have again this year been active at the local, provincial, regional and national levels, in conferences, workshops, lectures and seminars dealing with issues involving human rights education, ethnic and cultural studies, multicultural studies and international education.

PUBLICATION AND REFERENCE

The Publication and Reference Section continued to provide information in response to telephone and written inquiries from students, teachers, parents, the media, other departments or institutions and the general public. Publicity was arranged for various conference and other education events.

Among publications produced during the year were directories of schools, the *Journal of Education*, containing articles of general interest to teachers, and *Education Nova Scotia* containing official notices, information on departmental policies and services, and miscellaneous items of interest to teachers.

The Publication and Reference Section provided assistance to other sections of the department in the editing and production of a wide variety of publications.

Announcements requiring rapid distribution among education administrators were issued as mimeographed "P and R Releases."

4. FINANCE AND BUDGETING

RESEARCH

Administration and Operations

Research continued to provide a wide range of research and technical services for the department, school boards, and individuals. Evaluated research findings were provided for administrators as a base for planning and evaluating educational objectives, and for carrying out decisions and improving financial educational accountability.

Research expanded its base of operation by joining with Management Information Systems, and by taking on the responsibility and processing of the teachers' salary reports and school board financial reports, formerly managed by Public Education Grants. The purpose of the consolidation was to bring together, under one operation, more functions that are common to the three activities. The consolidation of the computer and related functions dealing with enrolments, teachers and school board finance will improve the department's capacity to obtain the timely, accurate information required for its operations.

In addition, Research acquired three computer terminals that are connected to the Government's main computer centre and to outside agencies. With the aid of this equipment, Research has a new flexibility in both the control and the processing of data, and information for both basic reporting and for analysis is more readily available.

Testing Programs

The Nova Scotia Achievement Tests were administered in October to all grade 9 and grade 12 pupils. The information received from this testing allows local and provincial educators to assess the attainment of knowledge and competence in five major areas of learning. This testing program is one of the major means of measuring the success or failure in reaching objectives which educational authorities have set in the various subject areas. The new system of reporting scores which was established in 1981 has proven very successful in encouraging greater use of the test results at the local level.

The Nova Scotia Standards Project which was established over 26 years ago was continued by testing a sample of grade 6

students. The results have established new, normative data for use by schools in assessing competence in the academic areas of language and mathematics.

The General Educational Development Test Program (high school equivalency examinations) continued this year with 2400 adults taking advantage of the program. Of this group, about 65 per cent achieved either a grade 11 or 12 standing and, in many cases, have gone on to post-secondary education or vocational training, or have increased their employment opportunities.

FINANCIAL MANAGEMENT

The Financial Management Section is responsible for controlling the internal financial operations of the department, co-ordinating the preparation of the department's budget presentation, and maintaining personnel records.

This section also operates the Nova Scotia School Book Bureau which provides authorized textbooks and other learning materials to the schools of the province. Each school board receives a credit allocation based on its enrolment (\$20 per student for the 1981-82 fiscal year) and may order materials from the Bureau up to the value of its total allocation.

PUBLIC EDUCATION GRANTS

Public Education Grants continued to supervise the provision of provincial grants to school boards. The year under review saw the implementation of the new system of education funding based on the recommendations of the Report of the Commission on Public Education Finance presented in 1981. Under the new system, the following grants were made to school boards:

A "*general formula*" grant based on the board's total "student units" multiplied by a standard formula amount (\$1,575 effective January 1, 1982). The minimum municipal contribution is then subtracted from this product to determine the provincial grant.

Effective January 1, 1982, student units were calculated as follows: each primary to grade 6 student — 1.0 unit; each grade 7-12 student — 1.2 units; each vocational student — 2.5 units. Enrolments used in the calculations are the average of the last two September figures.

The minimum municipal contribution is determined by applying a standard tax rate which, for 1982, was 38 cents per \$100

of uniform assessment in the supporting municipalities.

A *property service grant* based on both the area of the buildings and the number of student units. The 1982 rate was \$1.30 per gross square foot plus \$126 per student unit.

A *pupil transportation grant* which in 1982 was 90 per cent of 118 per cent of the final approved 1981 transportation budget.

The three grants noted above are global; that is, the school board is not confined to spend these funds on particular aspects of the educational program. In contrast, the following special purpose grants may be used only for expenditures approved under guidelines issued by the department. The indicated rates are in effect for 1982.

A *special education grant* of the lesser of actual costs or \$110 per student.

A *driver education grant* of the lesser of actual costs or \$28 per student.

A *summer school grant* of the lesser of actual costs or \$11 per student.

An *adult education grant* of the lesser of actual costs or \$15 per student in the district. (Note that the students counted in this formula are the school-age students, not adult education students.)

A *grant for boarding of students* amounting to the lesser of actual costs or \$30 per student per week.

In addition, a grant of two per cent (in 1982) of the "general formula" grant is provided for capital expenditures such as capital equipment or repairs. Major capital projects approved by the Executive Council are paid for in full by the Province.

TEACHERS' PENSIONS

The number of pensioners increased this year by 153 (4.4 per cent), for a total of 3,631.

The rate of interest for the school year commencing August 1, 1981, on contributions payable for the purchase of past teaching service, was increased from 9.25 per cent to 13.15 per cent per annum compounded semi-annually.

In accordance with the Regulations, all existing pensions were increased by six per cent, effective January 1, 1982.

Further details concerning the Teachers' Pension Fund are given in the statistical tables accompanying this report.

UNIVERSITIES AND COLLEGES

Operating grants to universities and colleges totalled \$116,762,923 in the 1981-82 fiscal year; an increase of \$13,564,729 over the previous year's total of \$103,198,194. Details are provided in the table below. In addition, restricted grants totalling \$5,760,130 were provided for renovations, alterations and equipment.

Loans totalling \$3,599,100 were approved during the 1981-82 fiscal year to assist in the construction of the new rink and the reconstruction of the Forrest Building at Dalhousie University and in major renovations to the Keddy Building for the Nova Scotia College of Art and Design. Final capital advances were made during the year on loans previously approved for the Dalhousie University Dental Building, the socio-athletic complex at Mount Saint Vincent University and the Saint Francis Xavier University Oland Centre extension.

Enrolments in universities and colleges in Nova Scotia in 1981-82 were as follows:

	1981-82	1980-81
Full-time enrolment		
Degree	19,477	18,812
Technical	906	918
Full-time equivalent of part-time enrolments (all degree students)	3,421	3,224
Totals	23,804	22,954

Further details of the grants to universities and colleges and the enrolments at these institutions are given in the statistical table section of this report.

STUDENT AID

The Student Aid section of the Department of Education administers the Nova Scotia Bursary Program and the Canada Student Loans Program. The maximum financial assistance available to eligible post-secondary students under these programs during the 1981-82 academic year was \$3,500; of which \$1,800 was a federally-guaranteed Canada Student Loan and the remaining \$1,700 was a Province of Nova Scotia Bursary. A student's assessed need under the student aid program was met as

follows: the initial \$1,400 was in the form of a Canada Student Loan; the next \$1,700 of need was in the form of a Nova Scotia Bursary; while the final \$400 was also in the form of a Canada Student Loan.

Personnel from the Student Aid Office continued their established practice of visiting the high schools throughout the province as part of their continuing effort to keep students informed about the two programs.

Student aid awarded during the 1981-82 fiscal years was as follows:

	1981-82	1980-81
Assistance awarded		
Canada Student Loan	\$14,744,000	\$12,248,000
Nova Scotia Bursary	9,615,769	7,522,295
	<u>\$24,359,769</u>	<u>\$19,770,295</u>
Students assisted		
Canada Student Loan	9,055	8,153
Nova Scotia Bursary	7,352	6,257
Average aid per student		
Canada Student Loan	\$1,628	\$1,502
Nova Scotia Bursary	\$1,308	\$1,202
Average total aid per student	\$2,690	\$2,425



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SUMMARY OF STATISTICS
(1981-82 compared with 1980-81)

	1981-82	Increase (Decrease)
School Boards	84 ¹	—
School Houses	602	(8)
Teachers (September)	11,428	(16)
Pupils (September)	186,603	(3,875)
Average Number of Pupils per Teacher	16.3	(0.3)
Vocational and Technical Enrolments		
Secondary Vocational	6,593 ²	81
Adult Vocational Training	11,698	136
Nova Scotia Institute of Technology Courses	445	40
Nova Scotia Nautical Institute	1,865	670
Nova Scotia Land Survey Institute	140	13
Universities and Colleges		
Total enrolment (full-time equivalent)	23,804	850
Expenditures on Public School Education		
Municipal Appropriation ³	\$ 86,376,859	\$ 3,566,800
Property Tax Relief Grant ³	\$ 60,432,849	\$ 4,629,208
Departmental Expenditure ⁴	\$420,659,784	\$91,195,529
Total	\$567,469,492	\$99,391,537

¹Includes the 11 regional vocational school advisory boards. Agreements under which 21 district boards will replace all but one of 74 former boards were made during the year under review.

²Includes students who are not enrolled in a full regional vocational school program. Students in full vocational programs totalled 5,456 in 1981-82.

³Calendar Year.

⁴Fiscal Year 1981-82. Includes January-March, 1982 property tax relief grant.

TABLE 1 — HISTORICAL AND COMPARATIVE STATISTICS
(A) — Before the Free School System

YEAR	Average No. of Teachers Winter and Summer	Average Number of Pupils Enrolled Winter and Summer	Local Funds \$-£1	Provincial Grants \$-£1	Total Cost of Schools	Cost per Pupil	REMARKS
1820	—	—	\$ —	\$ —	\$ 34,720	\$ —	Common Schools only
1835	530	15,292	49,813	27,323	77,136	5.04	
1847	1,041	34,729	93,172	43,394	136,566	3.93	
1857	1,002	34,356	128,222	53,519	181,741	5.29	Common and High Schools

(B) — Under the Free School System — Semi-Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
T. H. RAND 1865	916	39,461	23,572	60.0	\$124,673	\$ —	\$ 93,263	\$217,936	\$ 9.25
A. S. HUNT 1870	1,569	75,279	42,177	56.0	266,160	91,762	174,602	532,524	12.62
D. ALLISON 1880	1,809	76,393	42,580	55.7	281,561	107,181	196,217	584,959	13.74
1890	2,214	85,482	49,206	58.0	377,529	118,349	213,434	709,312	14.29

TABLE 1 — (C) — Under the Free School System — Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
A.H. MacKay									
1900	2,557	100,128	56,224	56.1	519,620	119,923	248,309	887,852	15.79
1910	2,723	102,035	65,630	64.3	761,013	146,936	357,282	1,265,233	19.28
1920	3,015	108,096	66,442	61.6	1,978,242	224,025	500,405	2,702,673	40.67
H.F. Munro									
1930	3,448	113,880	85,080	74.8	2,529,293	523,876	916,856	3,970,025	46.67
1940	3,686	117,167	93,359	79.6	2,900,290	516,616	1,304,521	4,721,427	50.57
H.D. Hicks									
1950	4,913	130,398	111,818	85.4	5,456,717	577,343	7,583,353	13,617,413	121.78
R.M. Fielding									
1955	5,345	151,652	136,496	90.0	9,405,576		9,739,799	19,145,375	140.26
1956	5,566	156,847	140,394	89.5	10,530,309		11,353,744	21,884,053	155.88
R.L. Stanfield									
1957	5,766	160,299	144,755	90.3	11,127,166		14,180,091	25,307,257	174.83
M.S. Leonard									
1958	5,913	*164,255	147,252	89.6	12,515,130		15,181,792	27,696,922	188.09
1959	6,177	*171,386	153,795	89.7	14,112,132		16,615,861	30,727,993	199.80
R.L. Stanfield									
1960	6,432	*177,121	161,364	91.1	16,679,178		19,020,230	35,699,408	221.24
1965	7,665	199,095	181,419	93.7	25,152,612		31,046,659	57,199,271	(*)315.29
1967	8,274	204,842	187,207	91.3	30,142,536		41,831,736	71,974,272	(*)384.46
G.J. Doucet									
1968	8,686	208,343	188,568	91.5	32,596,200		55,323,987	87,920,187	(*)468.00
1969	9,320	214,590	185,602	91.0	36,776,900		65,793,957	102,570,857	(*)526.09

TABLE 1 — (C) — Under the Free School System — Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
1970	10,011	219,794	192,266	**93.5	41,968,900		73,468,675	115,457,575	(*600.45
P.M. Nicholson									
1971	10,604	221,961	197,506	**93.0	49,589,100		95,940,973	145,530,073	(*673.22
1972	10,351	220,925	198,827	**93.0	54,819,100		106,316,994	161,136,894	(*752.86
A.E. Sullivan									
1973	10,541	220,380	207,534	**93.0	57,020,800		119,987,006	177,007,806	(*797.84
J.W. Gillis									
1974	10,998	215,005	195,708	**92.7	64,110,177		138,503,593	202,613,770	(*941.68
1975	11,375	211,364	192,828	**93.0	70,993,481		165,285,564	236,279,045 +	(*1,217.83
M.C. MacAskill									
1976	11,658	209,224	187,108	**92.8	83,626,700		204,671,865	288,298,565	(*1,440.66
G.M. Mitchell									
1977	11,370	209,184	187,395	**93.1	95,108,600		230,805,708	325,914,308	(*1,637.48
T.R.B. Donahoe									
1978	11,476	204,925	184,405	**92.9	102,097,400		248,745,580	350,842,980	(*1,813.59
1979	11,527	200,665	180,418	**92.3	113,906,000		270,225,739	384,131,739	(*2,033.22
1980	11,502	196,635	175,536	**93.0	122,575,500		298,207,665	420,783,165	(*2,292.73
1981	11,444	*190,478	127,408,434				*138,613,700	*468,077,955	
1982	11,428	*186,603	142,580,281				*146,809,708	*567,469,492	

* September Enrolment

** Percentage Attendance (actual to possible)

(*) Expenditure for Public Education less expenditure for Adult Education and Student Aid.

+ Corrected from 1977 Report.

* Includes both municipal appropriation and property tax relief grant for calendar year.

TABLE 2 — SCHOOL FINANCE
Combination of Calendar and Fiscal Year
(a) Municipal Expenditure (to 1969)

Calendar Year	Expenditures from Municipal School Board Revenue	Expenditures from Boards of School Commissioners	Total	Increase Over Preceding Year
1955	\$ 3,611,675	\$ 6,918,634	\$ 10,580,309	\$ 1,124,733
1960	8,610,795	10,685,173	19,295,968	2,616,790
1961	8,423,329	12,397,159	20,820,488	1,524,520
1962	9,520,813	13,999,529	23,511,342	2,690,854
1963	9,913,433	14,467,178	24,380,611	869,269
1964	10,953,480	15,199,132	26,152,612	1,772,001
1965	11,435,608	16,495,189	27,930,797	1,788,185
1966	12,628,274	17,514,262	30,142,536	2,211,739
1967	13,003,700	19,592,500	32,596,200	2,453,664
1968	15,050,100	21,726,800	36,776,900	4,180,700
1969	14,318,000	27,670,900	41,988,900	5,212,000

TABLE 2 — SCHOOL FINANCE (continued)
(Combination of Calendar and Fiscal Year)
(b) Municipal Appropriation for Education

Calendar Year	Municipal School Board	Expenditures Boards of School Commissioners	Amalgamated School Boards	Total*	Property Tax Relief Grant	Net Municipal Appropriations	Increase () Decrease Over Preceding Year
1970	\$14,302,900	\$29,415,900	\$ 5,870,300	\$ 49,589,100	—	—	\$ 7,600,200
1971	16,088,400	32,629,400	6,102,100	54,819,900	—	—	5,230,800
1972	16,041,500	34,470,600	6,508,700	57,020,800	—	—	2,200,900
1973	17,593,362	38,933,745	7,583,070	64,110,177	—	—	7,089,377
1974	20,953,185	41,849,423	8,190,873	70,983,481	\$ 5,483,800	\$ 65,529,881	1,419,704
1975	25,805,200	47,896,400	9,925,100	83,826,700	24,202,100	59,424,600	(6,105,281)
1976	26,826,800	57,484,100	10,897,700	95,108,600	32,390,344	62,718,256	3,293,656
1977	30,939,800	60,138,300	11,019,300	102,097,400	44,639,210	57,458,190	(5,260,066)
1978	35,066,300	65,889,000	12,950,700	113,906,000	48,206,948	65,689,052	8,240,862
1979	39,395,100	69,072,300	14,108,100	122,575,500	52,822,970	69,752,530	4,053,478
1980	45,387,417	77,220,236	16,006,047	138,613,700	55,803,641	82,810,059	13,057,529
1981	46,378,611	81,883,251	18,547,846	146,809,708	60,432,849	86,376,859	3,566,800

* Includes Capital Debt Service and Capital from Revenue.

TABLE 2 — SCHOOL FINANCE (continued)
(c) Departmental Expenditure

Fiscal Year Ending in	Government Expenditure On Education	Increase in Interval Indicated
1900	\$ 248,309	
1915	407,213	\$ 158,904
1930	916,856	449,643
1945	2,889,648	1,972,792
1960	19,020,230	16,130,582
1965	31,046,659	12,026,429
1970	73,468,675	7,674,718
1971	95,940,973	22,472,298
1972	106,316,994	9,376,021
1973	119,987,006	13,670,012
1974	138,503,593	18,516,587
1975	165,285,564	26,781,971
1976	204,671,865	39,386,301
1977	230,805,709	26,133,844
1978	248,745,580	17,939,871
1979	270,225,739	21,480,159
1980	298,207,665	27,981,926
1981	329,464,255*	31,256,590
1982	420,659,784**	91,195,529

* Includes Capital Debt Service

** Includes January — March 1982 Property Tax Relief Grant previously paid by the Department of Municipal Affairs.

TABLE 2 — SCHOOL FINANCE (continued)
(d) Departmental Expenditure by Vote
Fiscal Year Ending 1982

Senior Management Group

Program Management	\$ 423,508.30	
Grants Administration	416,472.42	
Special Committees and Projects	45,276.34	
Post-Secondary Education	96,828.05	
Other	100,399.29	
TOTAL		\$ 1,082,484.40

Planning and Budgeting

School Grants and Assistance*	333,057,527.66	
Nova Scotia School Book Bureau	4,389,894.19	
Teachers Pensions**	17,830,252.26	
Student Aid	9,972,205.96	
Other Activities	1,732,493.50	
TOTAL		366,982,373.57

Curriculum Development

Secondary Vocational Education	20,730,410.79	
Minority Language Programs	2,399,732.73	
Other Activities	1,428,496.45	
TOTAL		24,558,639.97

Education Resource Services

Nova Scotia Libraries	4,422,801.26	
Nova Scotia Museums	3,622,644.41	
Other Activities	812,228.42	
TOTAL		8,857,674.09

School Planning and Inspection

1,208,463.68

Adult Education

16,887,141.73

Teacher Education

513,572.81

Program Services

569,432.51

TOTAL **\$420,659,783.57**

* Includes Capital Debt and Property Tax Relief Grant for period January — March 1982.

** No longer includes reimbursement to school board for employer's share of the Canada Pension Plan contribution, effective January 1, 1982. The payment is included in the School Grants budget.

TABLE 2 — SCHOOL FINANCE (continued)
(e) Total Expenditure on Public School Education

	1981 - 1982	1980 - 1981	Increase
MUNICIPAL APPROPRIATION (1)	\$86,376,859	\$82,810,059	\$3,566,800
PROPERTY TAX RELIEF GRANT (1)	\$80,432,849	\$55,803,641	\$24,629,208
DEPARTMENTAL EXPENDITURE (2)	\$420,659,784	\$329,464,255	\$91,195,529
TOTAL EXPENDITURE ON EDUCATION	\$587,469,492	\$468,077,955	\$99,391,537

(1) Calendar Year

(2) Fiscal Year 1981-82. Includes January — March, 1982 Property Tax Relief Grant.

TABLE 2 — SCHOOL FINANCE (continued)
(f) Analysis of Expenditure

School Year	Total Expenditure On Education	Per Capita Expenditure On Education	Expenditure Per Pupil In Average Daily Attendance**	Percentage of Provincial Government Expenditure in Total
1900	\$ 887,852		\$ 15.97	27.9
1915	1,842,114		23.34	24.7
1930	3,970,025	\$ 7.21	46.67	23.1
1945	6,937,017	12.00	73.93	41.7
Calendar Year/Prov. Fiscal Year				
1960	40,645,927	55.68	242.95	52.5
1965	62,226,133	84.43	*335.73	55.1
1970	145,530,073	189.99	*673.22	65.9
1971	161,136,894	204.23	752.86	66.0
1972	177,007,806	222.79	797.84	67.8
1973	202,613,770	256.81	941.68	68.4
1974	236,279,045	298.48	1,127.83	72.3
1975	288,298,565	350.73	1,440.66	79.4
1976	325,914,308	392.67	1,637.46	80.8
1977	350,842,980	418.12	1,813.59	83.6
1978	384,131,739	452.72	2,033.22	82.9
1979	420,783,165	496.73	2,292.73	83.4
1980	468,077,955	548.55	—	82.3
1981	567,469,492	662.85	—	84.8

* Recalculated. Adjusted to reflect addition of Regional Vocational Schools attendance.

** Expenditure per pupil for years 1965—1979 inclusive calculated on total expenditure on education less expenditure for (a) adult education, (b) student aid.

TABLE 3 — ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1981

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over	Total Students
Grade P	6,305 5,921 12,317	498 305 803	28 11 39	3 1 4	1													M 6,926 F 6,238 T 13,164
Grade 1	66 5,887 79 5,576 145 11,463	752 447 1,199	57 31 88	4 1 5				1 1										M 6,787 F 6,134 T 12,901
Grade 2	92 5,459 134 5,507 228 10,966	1,076 603 1,679	124 72 196	7 7 14				1 1										M 6,759 F 6,323 T 13,082
Grade 3	159 5,367 1 187 5,597 1 346 10,964	1,231 656 1,887	221 96 317	221 8 44				5 2 7	2 2	1								M 7,023 F 6,546 T 13,569
Grade 4	10 172 5,248 4 235 5,562 14 407 10,810	1,449 768 2,217	305 133 438	305 20 64				44 20 64	8 3 11	1			1					M 7,237 F 6,726 T 13,963
Grade 5	1 2 224 5,311 2 261 5,738 1 4 485 11,049	1,445 866 2,311	365 207 562	64 20 84				13 4 17	1									M 7,446 F 7,088 T 14,544
Grade 6					2 275 4,968 316 5,349 2 593 10,347	1,378 898 2,276	434 203 637	78 27 105	15 8 23	3 1 4			1					M 7,184 F 6,805 T 13,989

TABLE 3 — ENROLMENTS BY AGE, GRADE, AND SEX (Continued)
PROVINCIAL SUMMARY, SEPTEMBER 30, 1961

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 21 and Over	Total Students
BJHA									24	96	170	66	8	2	1		M 367
									17	68	76	21	6	1			F 189
									41	164	246	87	14	3	1		T 556
QJHA									1	28	110	103	34	6	1		M 283
										23	89	61	31	8	2		F 214
									1	51	199	164	65	14	3		T 497
Junior EMH			1	2	1	3	9	22	24	33	7	6	4	3	1		M 115
			1	2	2	3	8	13	12	8	5	3	2	2			F 57
				2	3	3	12	30	37	45	15	11	7	5	1		T 172
Junior TMH				1	2	1	4	7	9	7	6	17	12	9			1 M 86
					1	1	6	2	6	7	9	10	6	5			F 61
			1	1	3	2	10	9	15	14	15	27	18	17	17		1 T 149
Junior Other					3	17	69	85	99	50	24	6	9	2			2 M 368
					1	9	37	48	56	30	19	11	6	6			2 F 225
					4	26	106	133	155	80	43	17	15	8			4 T 591
Grade 10							3	259	3,917	1,681	727	198	34	13			5 M 6,637
							1	372	4,709	1,378	544	143	22	6			7 F 7,182
							1	3	631	8,626	3,059	1,271	341	56	19		12 T 14,019
Grade 11										4	295	3,841	1,300	506	128		11 M 6,107
							1	1	1	411	4,605	1,163	339	70	19		12 F 6,621
							1	1	5	706	8,446	2,463	845	198	41		23 T 12,726

TABLE 3 — ENROLMENTS BY AGE, GRADE, AND SEX (Continued)
PROVINCIAL SUMMARY, SEPTEMBER 30, 1961

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 21 and Over	Total Students
V2											25	154	256	421	160	156 M 88 F 246 T	1,203
											5	33	68	193	78		485
											30	187	324	614	267		1,968
VOC										5	13	29	27	57	42	12	208
										5	14	40	40	143	50	23	307
											13	43	67	200	92	35	515
Grand Total	6,480 6,007 12,487	6,517 6,032 12,549	6,467 6,192 12,659	6,756 6,512 13,268	6,974 6,616 13,590	7,409 6,992 14,401	7,174 6,774 13,948	7,033 6,604 13,637	7,105 6,659 13,764	7,310 7,002 14,312	7,544 7,365 14,909	7,563 7,364 14,927	6,428 6,528 12,956	3,022 2,391 5,413	1,340 867 2,207	468 326 794	95,978 90,625 186,603

**TABLE 4 — ADULT VOCATIONAL TRAINING
Course Enrolments 1981-82**

By Institutions	Men	Women	Total
Dartmouth and Cape Breton Adult Vocational Training Centres and Modules	2,185	2,159	4,344
Other training institutions operated by the Government of Nova Scotia	4,249	555	4,804
N.S. Institute of Technology — Halifax			
N.S. Nautical Institute — Halifax			
N.S. Land Survey — Lawrencetown			
N.S. Agricultural College — Truro			
Dept. of Fisheries — Pictou & Outports			
Miscellaneous			
Other training institutions operated by the Government of Canada (Canada Correctional Service)	557	—	557
Springhill Medium Security Institution			
Other training institutions	1,513	469	1,982
University College of Cape Breton			
Private Schools			
University (disabled)			
Others			
Industry (disabled) various locations	10	1	11
Total	8,514	3,184	11,698
By Courses			
Vocational	7,373	1,914	9,287
Vocational Preparatory	1,141	1,270	2,411
Basic Training for Skill Development (Concurrent/Generic)			
Job Readiness Training			
Career Exploration for Women			
Total	8,514	3,184	11,698
By Trainees			
Federal*	7,766	3,079	10,845
Disabled	180	96	278
Provincial	11	7	18
Canadian Correctional Services	557	—	557
Total	8,514	3,184	11,698

*(Including 2,589 indentured apprentices, 2,563 men and 26 women)

TABLE 5 — NOVA SCOTIA INSTITUTE OF TECHNOLOGY
Enrolments August 1, 1981 to July 31, 1982

The number in parentheses indicates the number of females included in the number immediately preceding.

	On Roll Aug. 1 1981	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31, 1982
Applied Arts and Technology Courses					
Construction Administration					
Tech — 1st year			18	14	
Dental Assisting — 1 year			36 (36)	34 (34)	
Dental Technology —					
1st year			4 (4)	4 (4)	
2nd year			8 (6)	8 (6)	
Electrical Technology —					
1st year			17	6	
2nd year			8	7	
Electronics Technology —					
1st year			49 (1)	37 (1)	
2nd year			34	27	
Mechanical Technology —					
1st year			20	15	
2nd year			18	16	
Food Service Technology —					
2 years			24 (22)	8 (6)	
Medical Laboratory					
Technology — 1st year			69 (59)	48 (45)	
2nd year	43 (33)		78 (61)	42 (32)	35 (28)
Nuclear Medicine					
Technology — 1st year			7 (6)	6 (5)	
2nd year	8 (8)		14 (13)	8 (8)	6 (5)
Petroleum Resources					
Tech. — 1st year			21 (1)	14 (1)	
Process Operations —					
1 year		17	20	13	
Total Technology Courses	51 (41)	17	445 (209)	307(142)	41 (33)
Apprenticeship Courses					
Bricklaying — Pre-Employment		14	14	13	
Block Release (Modular)		66	66	66	
Carpentry — Pre-Employment		15	15	14	
Block Release (Modular)		63	63	62	
Block Release		258	258	258	
Cooking — Pre-Employment		20 (9)	20 (9)	18 (9)	
Block Release		98	98	97	
Electrical Construction —					
Pre-Employment		15	15	15	
Block Release		222	222	221	
In-Plant Apprentice —					
Block Release		140	140	140	
Lineman — Block Release		26	26	26	
Machinist — Pre-Employment		15 (2)	15 (2)	13 (1)	
Block Release		78	78	78	

TABLE 5 — NOVA SCOTIA INSTITUTE OF TECHNOLOGY (Continued)
Enrolments August 1, 1981 to July 31, 1982

The number in parentheses indicates the number of females included in the number immediately preceding.

	On Roll Aug. 1 1981	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31, 1982
MVR (Mechanical) —					
Pre-Employment		16 (1)	17 (1)	16 (1)	
Block Release		355	355	351	
Oil Burner (Mech.) —					
Pre-Employment		16	16	11	
Block Release		57	57	56	
Plumbing — Block Release		137	137	135	
Refrigeration & Air Conditioning —					
Block Release		39	39	39	
Sheet Metal — Block Release		42	42	41	
Sprinkler Fitter — Block Release		54	54	54	
Stationary Engineers — Block Release		99	99	98	
Total Apprenticeship Courses		1845 (12)	1846 (12)	1822 (11)	
Other Courses					
Bartending and Service		40 (17)	40 (17)	31 (15)	
Baking Commercial		20 (13)	20 (13)	12 (9)	
Building Supply and Sales	1	3	4	1	
Career Exploration for Women		14 (14)	14 (14)	10 (10)	
Electronics Equipment Repair	15 (1)	17	32 (1)	26 (1)	
Introduction to Trades Training for Women		12 (12)	12 (12)	12 (12)	
Modified Academic Upgrading for Natives		13 (10)	13 (10)	2 (2)	
Precision Light Gauge Metal		8	8	7	
Radio Announcing	18 (5)	31 (5)	49 (8)	31 (3)	18 (5)
Retail Meat Cutting		17	17	14	
Retail Selling (Marketing)	13 (7)	26 (21)	39 (28)	32 (23)	
Waitress/Waiter Dining Service		29 (23)	29 (23)	20 (16)	
Total Other Courses	47 (13)	230(113)	277 (126)	198 (91)	18 (5)
Summary					
Applied Arts & Technology Courses	51 (41)	17	445 (209)	307(142)	41 (33)
Apprenticeship Courses		1845 (12)	1846 (12)	1822 (11)	
Other Courses	47 (13)	230(113)	277 (126)	198 (91)	18 (5)
Total — All Courses	98 (54)	2092(125)	2568 (347)	2327(244)	59 (38)

TABLE 6 — NOVA SCOTIA NAUTICAL INSTITUTE
Enrolments September 1981-June 1982

Courses	Manpower Students Enrolled	Other	Total Enrolled	Completed Courses
Marine Engineering				
Marine Engineer, 1st Class	3	7	10	5
Marine Engineer, 2nd Class	13	16	29	14
Marine Engineer, 3rd Class	20	28	38	20
Marine Engineer, 4th Class	18	3	21	15
Basic Marine Engineer Cadet	15	0	15	9
Marine Electrician (CCG)	0	10	10	10
Marine Electrician	15	0	15	Trans. to AVTC
Marine Option (NSIT)	0	6	6	4
Subtotal	84	60	144	77
Marine Navigation				
Master Mariner	15	13	28	5
Ocean Navigation I	15	30	45	11
Coastal Navigation I	2	0	2	2
Ocean Navigation II	40	50	90	15
Coastal Navigation II	2	1	3	1
Watchkeeping Mate	89	37	126	45
Command Endorsement	6	4	10	3
Fishing Master II	3	0	3	1
Fishing Master III	2	0	2	2
Fishing Master IV	0	2	2	0
Ferry Transport	0	12	12	12
New Entry	49	12	61	51
Riggers	30	0	30	15
Subtotal	249	156	412	163
Simulated Electronic Navigation I	95	57	152	137
Simulated Electronic Navigation I Part B	40	7	47	46
Simulated Electronic Navigation II	36	27	63	63
Special Radar Simulator	0	4	4	4
Ice Observers	0	12	12	12
Subtotal	136	87	278	262
Lifeboat & Survival	242	292	534	476
Firefighting	286	211	497	486
Subtotal	528	503	1031	962
Grand Totals	997	806	1865	1464

TABLE 7 — NOVA SCOTIA LAND SURVEY INSTITUTE
Summary of Statistics, August 1, 1981 to July 31, 1982

The academic year began on September 8, 1981. The distribution of students by program and the results achieved are:

	Enrolled	Withdraw	Failed	Successful In Supps	Graduated
Cartography	13 (6)	3 (2)	3 (1)	1 (1)	8 (4)
Survey					
Certificate	28	6	8	—	14
Diploma	16 (2)	—	4 (1)	—	12 (1)
Survey Assistant	12 (1)	—	—	—	12 (1)
Survey Office Tech.	15 (2)	3	6 (1)		6 (1)
Planning Technician					
Certificate	14 (7)	—	1	—	13 (7)
Diploma	6 (3)	2	1 (1)	2 (1)	5 (3)
Remote Sensing					
Certificate	2	—	—	—	2
Diploma	5	—	1	1	5
Photogrammetry	8 (1)	2 (1)	1	—	5
Computer Programming*					
Scientific	20	3	3	—	14

Note: The number in brackets denotes the number of females in the total.

* Finished August 1981

TABLE 8 — TEACHERS CLASSIFIED BY CERTIFICATE (BY BOARD)
September 30, 1961

TCM	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VTCA	Total
Amalgamated Boards (Municipal School Boards Boards of School Commissioners Regional Boards Regional Vocational Boards Total All Boards Total All Boards (Male) Total All Boards (Female) Percent of Total All Boards	2 1 1 4 2 2 1	6 14 7 27 1 26 2	44 118 53 11 1 4 2	87 241 149 25 3 505 455	254 555 323 67 199 1,000 1,000	648 1,771 1,372 264 4,077 1,278 2,799	560 1,326 1,383 207 3,518 1,903 1,615	170 384 482 52 1,107 783 324	36 86 189 9 332 240 92	4 3 1 8 16 10 6	39 4 7 3 125 178 161	11 4 2 52 65 56 9	17 1 2 100 118 86 32	6 3 1 44 55 46 9	1,884 4,507 3,970 639 428 11,428 4,819 6,609
						35.7	30.8	9.7	2.9	1	1.6	.6	1.0	.5	100%

NOTE: Percentages equal to less than .1 percent are shown as .1 percent.

TABLE 9 — TEACHERS BY CERTIFICATE AND YEARS OF SERVICE
(September 30, 1981)

Certificate	Total	1	2	3	4	5	6	7	8	9	10	Max
TC 8	332	1		1	2	1	2	3	7	8	8	299
TC 7	1,107	7	3	8	7	17	12	28	44	52	52	877
TC 6	3,518	39	55	56	84	113	115	182	242	224	238	2,170
TC 5	4,077	177	154	201	235	248	218	252	273	215	219	1,885
TC 4	1,199	74	64	75	65	49	30	48	70			724
TC 3	505			4	3	5	8	10				475
TC 2	227											227
TC 1	27											27
Permit	4											4
VP A	55	22	12	8	7	3	1	1				1
VTC 4	118	1			4	3	3	6	5	7	3	86
VTC 3	65			1		1	2	3	2	2	3	51
VTC 2	178		1	2	6	3	9	5	7	4	8	133
VTC 1	16				1	1	3					11
Total	11,428	321	289	356	414	444	403	538	650	512	531	6,970

TABLE 10 — ACTIVE TEACHERS CLASSIFIED BY CERTIFICATE AND AGE DISTRIBUTION

Certificate	Age Distribution												
	Total	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 and over
TP	4		2		1			1					
TC1	27				5	24	44	47	52	22	31	1	1
TC2	227			26	103	95	102	62	49	41	26	1	
TC3	506			218	285	182	127	91	63	36	25	2	
TC4	1,199		190										
TC5	4,077		299	1,008	1,168	646	336	251	186	114	57	2	
TC6	3,518		30	464	1,142	766	426	268	218	131	69	3	1
TC7	1,107		1	53	263	291	177	130	122	50	20		
TC8	332			2	37	85	86	47	39	23	13		
VTC1	16				3	2	1	2	2	6			
VTC2	178			1	7	17	31	37	27	39	18	1	
VTC3	65				2	4	15	14	11	16	3		
VTC4	118				2	15	25	29	17	23	7		
VTCA	55		1	12	16	12	5	3	2	2	2		
Total	11,428	523	1,784	3,034	2,120	1,375	987	808	509	276	10	2	

TABLE 11 — TEACHERS CLASSIFIED BY CERTIFICATE AND
LEVELS OF EDUCATION SERVED
September 30, 1981

Level	Total	TC6	TC7	TC8	TC5	TC4	TC3	TC2	TC1	Permit	VPA	VTC4	VTC3	VTC2	VTC1
P-6	5,104	53	228	1,274	2,126	838	368	186	26	2				1	
7-9	3,464	82	345	1,221	1,371	288	109	29		1	4	1	1	9	2
10-12	2,756	120	390	1,085	915	141	57	6		1	8	4	1	23	5
Aux.	751	26	73	280	240	75	28	12	2	2					
Voc.	470	11	16	43	29	4	2	1							
7-12	5,187	175	649	1,828	1,892	337	128	30		1	45	103	58	146	10
P-9	8,115	124	528	2,346	3,311	1,083	483	214	26	1	10	5	2	28	6
P-12	9,832	217	832	3,048	3,829	1,131	480	215	26	2	4	1	1	10	2
Non-Teaching (Board)	189	34	76	57	20	2				2	10	5	2	2	6
Non-Teaching (Other)	361	50	121	155	31	7	3	1							
Total*	11,428	332	1,107	3,518	4,077	1,199	505	227	27	4	55	118	65	178	16

*Sum of total teachers will not tally because teachers may be added more than once, depending on number of grades they teach.

TABLE 12 — TEACHERS CLASSIFIED BY CERTIFICATE AND TEACHING POSITION
September 30, 1981

Total Province	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VTPA	Total
Supervisor of a Sub-System						2	3	6	4						15
Superintendent						4	27	21	7						59
Assistant Superintendent						1	5	8	1						15
Principal															
Principal Teaching				3	6	34	152	115	44						362
Vice-Principal	1	7		8	21	54	66	38	4			4	4		199
Vice-Principal Teaching					2	16	63	56	17		1				163
Department Head				5	11	35	75	46	14						186
Regular Teacher	23	196		3	5	59	108	59	32		3	5	13		287
Specialist Teacher				383	789	2,825	2,100	458	106		3	4	4	1	6,872
Guidance Director	4	1	13	108	319	879	821	232	73	16	170	51	89	48	2,824
Pupil Services Co-ordinator							6								6
Supervisor							3	3	2						8
System Consultant			1		1	10	26	34	21		1				94
Others					1	5	13	13	3			1			36
	2	10	15	44	153	50	18	4						6	302
Total	4	27	227	505	1,199	4,077	3,518	1,107	332	16	178	65	118		55,114

TABLE 13 — TEACHERS BY LOCATION AND DEGREE
September 30, 1981

	Bachelor's	Master's	Dr.'s	With Degrees	Total Teachers	Percentage With Degrees
Amalgamated School Boards	955	151	2	1,108	2,144	51.0
Municipal School Boards	2,831	288	4	3,123	5,180	60.0
Boards of School Commissioners	2,591	433	7	3,031	4,436	68.0
Regional School Boards	456	59	—	515	716	71.0
Regional Vocational School Boards	110	21	—	131	440	29.0
Total all Boards	6,943	952	13	7,908	12,596*	61.0

*Provincial total includes all teachers employed for the school year 1981-82.

**TABLE 14 — TEACHERS: AVERAGE SALARY BY
CERTIFICATE BASED ON NUMBER OF ACTIVE
TEACHERS AS OF SEPTEMBER 30, 1981**

Certificate	Number	Average
TC 8	322	\$37,199
TC 7	1,107	\$34,396
TC 6	3,518	\$30,549
TC 5	4,077	\$25,637
TC 4	1,199	\$21,344
TC 3	505	\$19,862
TC 2	227	\$17,395
TC 1	27	\$17,344
Permit	4	\$10,152
VP A	55	\$17,344
VTC 4	118	\$33,168
VTC 3	65	\$31,415
VTC 2	178	\$27,454
VTC 1	16	\$21,896
Total	11,428	\$27,524
Total (excluding vocationals)	11,000	\$27,473

**NOVA SCOTIA TEACHERS' PENSION FUND
AUDITOR'S REPORT**

The Minister of Finance
Province of Nova Scotia

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1982 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards and accordingly included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1982 and the results of the transactions for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

A.W. Sarty
Auditor General

Halifax, Nova Scotia
October 8, 1982

TABLE 15 — NUMBER OF TEACHER-PENSIONERS
July 31, 1982

1928 Act	On Pension July 31, 1981	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1982
Service Pensions — Men	2	—	1	—	1
Service Pensions — Women	8	—	—	—	8
Disability Pensions — Men	—	—	—	—	—
Disability Pensions — Women	20	—	—	—	20
Dependents' Pensions	3	—	—	—	3
Subtotal	33	—	1	—	32

1949 Act	On Pension July 31, 1981	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1982
Service Pensions — Men	311	38	9	—	340
Service Pensions — Women	1683	102	37	1	1747
Reduced Service — Men	65	4	4	—	65
Reduced Service — Women	757	25	13	—	769
Disability Pension (Total) — Men	35	7	—	—	42
Disability Pension (Total) — Women	137	3	5	—	135
Disability Pension (Partial) — Men	32	2	1	—	33
Disability Pension (Partial) — Women	156	2	1	—	157
Spouse's Pensions	269	37	10	—	296
Subtotal	3445	220	80	1	3584
Total	3478	220	81	1	3616

1928 Decrease 1
 1949 Increase 139

**TABLE 16 — NOVA SCOTIA TEACHERS'
PENSION FUND**

**Statement of Continuity of Fund
for the year ended March 31, 1981**

	1982	1981
Balance at beginning of year	\$247,039,370	\$239,710,316
Add: Teachers' contributions	17,714,237	15,367,448
Government contributions	17,714,237	15,367,448
Purchase of prior service	434,702	569,780
Transfers from other pension funds	492,464	321,718
Income earned on investments	32,263,063	24,301,983
Amortization of discount and premium on investments	73,046	36,221
	68,691,749	55,964,598
	342,731,119	295,674,914
Deduct: Expenses (Note 4)	224,911	170,260
Pensions paid	22,584,883	19,714,887
Refund of contributions	1,165,605	1,158,727
Transfers to other pension funds	256,410	308,520
Amortization of difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	213,958	283,150
	24,425,567	21,635,544
Balance at end of year	\$318,305,552	\$274,039,370

**TABLE 17 — NOVA SCOTIA TEACHERS'
PENSION FUND
Balance Sheet
as at March 31, 1982**

	1982	1981
Assets		
Current		
Cash	\$ 822,827	\$ 1,367,050
Short-term deposits	35,250,000	9,500,000
Contributions receivable	5,262,321	4,894,156
Accrued interest receivable	6,824,369	5,837,306
	<u>47,959,517</u>	<u>21,598,512</u>
Investments (Note 2)		
Bonds and debentures	257,214,024	239,118,063
Mortgages	6,231,671	6,492,946
Common and preferred shares	11,055,012	11,146,739
	<u>274,500,707</u>	<u>256,757,748</u>
Unamortized difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	87,495	311,851
	<u>\$322,547,719</u>	<u>\$278,668,111</u>
Liabilities and Fund Equity		
Accounts payable	\$ 4,242,167	\$ 4,628,741
Fund balance	318,305,552	274,039,370
	<u>\$322,547,719</u>	<u>\$278,668,111</u>

NOVA SCOTIA TEACHERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS
for the Year ended March 31, 1981

1. Unfunded Liability

The Teachers' Pension Act requires that the fund be examined by an actuary every five years. The most recent valuation was made as of July 31, 1979 in an actuarial report received in May, 1981. Based on various assumptions as to interest rates, rates of inflation, and mortality rates, the report indicates the actuarial position of the fund as of July 31, 1979, taking into consideration changes made in the plan in 1980, as follows:

Actuarial Liabilities	\$679,532,000
Actuarial Value of Assets	221,589,000
Unfunded Liability	<u>\$457,943,000</u>

2. Valuation of Investments

Bonds and debentures of \$257,214,024 are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds and debentures as at March 31, 1982 was \$259,777,000 and \$182,517,873 respectively. Subject to reinvestment to obtain a higher yield, investments in bonds and debentures are generally made with the intention to retain them until maturity at which time they are redeemed for their face value.

Mortgages of \$6,231,871 are valued at cost adjusted for amortization of premiums and discounts over seven years. The face value of mortgages held at March 31, 1982 was \$6,232,863.

Short term investments are shown at their cost and face value of \$35,250,000.

Common and preferred shares are valued at a cost of \$11,055,012 at March 31, 1982. The market value of these equity investments at that date was \$12,633,552.

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yield are capitalized and amortized over the lesser of seven years or the remaining life of the bond or debenture.

Gains and losses on disposals of common and preferred shares are charged or credited to income in the year of disposition.

4. Administration Expenses

The fund is charged with expenses of the Teachers' Pension section and the Administration and Finance section of the Department of Education, as detailed below. However, the costs of the actual management of the investments as carried out by the Trusts and Debt

Management section of the Department of Finance are borne by the Province and are not reflected in these financial statements.

	1982	1981
Administration fees	\$ 17,240	\$ 18,717
Equipment and maintenance	—	8,928
Salary and wages	142,773	109,727
Supplies and Services	59,379	29,334
Travel	5,454	3,099
Other	65	455
	<u>\$224,911</u>	<u>\$170,260</u>

**TABLE 18 — NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
Fiscal Year April 1, 1981 to March 31, 1982**

Disbursements		
Purchase of Learning Materials	\$3,979,017	
Freight and Mailing Costs	88,971	
Salaries	265,479	
Other	55,988	
		<u>\$4,387,455</u>
Receipts		
Sales		<u>\$ 104,885</u>
Inventories		
On Hand, March 31, 1981		\$ 777,261
On Hand, March 31, 1982		514,619
Quantities of Textbooks and Material Distributed		
Textbooks, Primary to Grade 6	580,000	
Textbooks, Grades 7-12	350,000	
Textbooks, Special Education/Specialized Reading	100,000	
Textbooks, Acadiannes	18,000	
Textbooks, Miscellaneous	20,000	
Career Education Materials	90,000	
		<u>1,138,000</u>
Journal, P & R Releases, other	85,000	
Cumulative Record Cards	28,000	
Teaching Guides, Curriculum Bulletins	145,000	
Miscellaneous	625,000	
		<u>883,000</u>

TABLE 19 — ENROLMENTS AT UNIVERSITIES AND COLLEGES

	1981-82	1980-81
(a) Degree students		
Acadia University	3,420	3,110
Atlantic Institute of Education	45	37
Atlantic School of Theology	108	129
College of Cape Breton	1,051	941
Dalhousie University	8,081	7,874
Mount Saint Vincent University	1,934	1,849
Nova Scotia Agricultural College	183	179
Nova Scotia College of Art and Design	516	519
Nova Scotia Teachers College	502	631
Saint Francis Xavier University	2,575	2,329
Saint Mary's University	3,026	2,934
Technical University of Nova Scotia	813	819
Université Sainte-Anne	235	304
University of King's College	409	381
Total — Degree students	22,898	22,036
(b) Technical students		
College of Cape Breton	520	529
Nova Scotia Agricultural College	246	262
Nova Scotia Land Survey Institute	140	127
Total — Technical students	906	918
Total — All students	23,804	22,954

**TABLE 20 — FINANCIAL ASSISTANCE
TO UNIVERSITIES AND COLLEGES**

	1961-62	1980-81
Acadia University	\$ 11,231,619	\$ 9,835,563
Atlantic Institute of Education	845,600	759,100
Atlantic School of Theology	426,514	356,152
College of Cape Breton	6,745,803	5,954,996
Dalhousie University	54,310,819	48,278,296
Mount Saint Vincent University	5,854,117	4,829,412
Nova Scotia Agricultural College (1)	1,348,170	1,234,320
Nova Scotia College of Art & Design	2,568,474	2,202,015
Nova Scotia Land Survey Institute	593,600	600,600
Nova Scotia Teachers College	4,407,800	3,849,270
Saint Francis Xavier University	9,447,922	8,487,511
Saint Mary's University	10,400,656	9,360,469
Technical University of Nova Scotia	6,115,822	5,290,048
Université Sainte-Anne	1,513,710	1,365,894
University of Kings College	952,297	794,548
	<u>\$116,762,923</u>	<u>\$103,198,194</u>
Foreign Student Recoveries	\$ 891,075	\$ 612,225
Non-space, Alterations and Renovations Grants	\$ 5,760,130	\$ 5,588,240
University Debt Charges Grants	\$ 8,494,586	\$ 7,724,765
Recoveries from other Atlantic Provinces	\$ 5,401,435	\$ 4,833,219

Note (1) For university level only; does not include financial support for the technical side of the college.